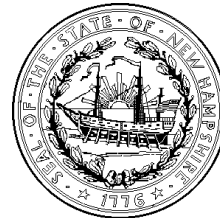


STATE OF NEW HAMPSHIRE
Department of Environmental Services
Air Resources Division



TITLE V OPERATING PERMIT

Permit No: **TV-OP-038**

Date Issued: **December 6, 2001**

This certifies that:

Foss Manufacturing Company, Inc.

380 Lafayette Road

PO Box 5000

Hampton, NH 03843

has been granted a Title V Operating Permit for the following facility and location:

Foss Manufacturing Company, Inc.

380 Lafayette Road

Hampton, NH 03843

AFS Point Source Number - 3301500076

This Title V Operating Permit is hereby issued under the terms and conditions specified in the Title V Operating Permit Application filed with the New Hampshire Department of Environmental Services on **June 30, 1996**. Supplementary information was received on **August 5, and 10, 1998, September 16, 1998, October 23, 2000 and January 8, 2001** under the signature of the following responsible official certifying to the best of their knowledge that the statements and information therein are true, accurate and complete.

Responsible Official:

Stephen W. Foss

President

(603) 929-6000

Technical Contact:

Gerald Lambert

Director of Environmental Safety

(603) 929-6027

This Permit is issued by the New Hampshire Department of Environmental Services, Air Resources Division pursuant to its authority under New Hampshire RSA 125-C and in accordance with the provisions of the Code of Federal Regulations, Title 40, Part 70.

This Title V Operating Permit shall expire on **December 31, 2006**.

SEE ATTACHED SHEETS FOR ADDITIONAL PERMIT CONDITIONS

For the New Hampshire Department of Environmental Services, Air Resources Division

Director, Air Resources Division

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ABBREVIATIONS

AAL	Ambient Air Limit
AP-42	Compilation of Air Pollutant Emission Factors
ARD	Air Resources Division
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
BHP	Break Horse Power
BTU	British Thermal Units
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CAS	Chemical Abstract Service
CEMS	Continuous Emission Monitoring System
CF	Cubic Foot (ft ³)
CFR	Code of Federal Regulations
CNG	Compressed Natural Gas
CO	Carbon monoxide
CO ₂	Carbon Dioxide
COMS	Continuous Opacity Monitoring System
DER	Discrete Emission Reduction
Env-A	New Hampshire Code of Administrative Rules – Air Resources Division
Env-Wm	New Hampshire Code of Administrative Rules – Waste Management Division
ECS	Emission Control System
ERC	Emission Reduction Credit
FR	Federal Register
Ft ³	Cubic foot
Gal	Gallon
HAP	Hazardous Air Pollutant
HCl	Hydrochloric acid
Hr	Hour
kGal	1,000 gallons
KW	Kilo Watt
LAER	Lowest Achievable Emission Rate
Lb/hr	Pounds per hour
Lb/CF	Pounds per cubic foot
LNB	Low NO _x Burner
LNG	Liquid Natural Gas
LPG	Liquid Petroleum Gas (Propane)
MACT	Maximum Achievable Control Technology
mg/L	Milligrams per liter (ppm)
MMBTU	Million British Thermal Units
MMCF	Million Cubic Feet
MW	Mega Watt
NAAQS	National Ambient Air Quality Standard
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NG	Natural Gas

ABBREVIATIONS (cont.)

NHDES (or DES)	New Hampshire Department of Environmental Services
NO _x	Oxides of Nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PCB	Polychlorinated biphenyls
PE	Potential Emission
PM	Particulate Matter
PM ₁₀	Particulate Matter less than 10 microns diameter
ppm	part per million
ppmv	part per million by volume
PSD	Prevention of Significant Deterioration
PSI	Pounds per Square Inch
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
RSA	Revised Statutes Annotated
RTAP	Regulated Toxic Air Pollutant
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
T-12M	Tons during any consecutive 12-month period
TAP	Toxic Air Pollutant
TSP	Total Suspended Particulate Matter
TPY	Tons per Year
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

Facility Specific Title V Operating Permit Conditions

I. Facility Description of Operations:

Foss Manufacturing Company, Inc. ("Permittee") manufactures synthetic fiber and a broad range of non-woven textile products in Hampton, New Hampshire. The primary source of air pollutant emissions at the facility are fuel-burning devices, which produce criteria pollutant emissions, and coating and curing operations which produce Volatile Organic Compounds (VOC) and Hazardous Air Pollutant ("HAP") emissions.

II. Permitted Activities:

In accordance with all of the applicable requirements identified in the Permit, the Permittee is authorized to operate the devices and/or processes identified in Sections III, IV, V, and VI within the terms and conditions specified in this permit. In addition, the Permittee is authorized to physically relocate the following emission units within the facility and/or modify their exhaust configuration as necessary: EU10, EU13, EU14, and EU15. The Permittee shall notify DES in writing at least 30 days prior to moving or modifying the aforementioned emission units and must demonstrate compliance with all applicable state and federal statutes, rule, regulations, and permits prior to any move and/or modification. Records of compliance shall be kept on file at the facility and be made available to DES and/or EPA upon request.

III. Significant Activities Identification:

A. Significant Activities:

The activities identified in Table 1 are subject to and regulated by this Title V Operating Permit.

Table 1 – Significant Activities			
Emission Unit Number (EU#)	Description of Emission Unit	Exhaust Stack Identification ¹	Manufacturers Rated Maximum Design Capacity
EU01	Caterpillar Model #D398 6.4 MMBTU/Hr (Engine #1)	Stack 3	46.7 gallons per hour (gal/hr) of #2 diesel fuel oil with a heating value of 137,000 BTU/gallon and a maximum sulfur content of 0.4% by weight.
EU02	Caterpillar Model #D398 6.4 MMBTU/Hr (Engine #2)	Stack 3	46.7 gal/hr of #2 diesel fuel oil with a heating value of 137,000 BTU/gallon and a maximum sulfur content of 0.4% by weight.
EU03	Caterpillar Model #D399 8.5 MMBTU/Hr (Engine #3)	Stack 3	62.0 gal/hr of #2 diesel fuel oil with a heating value of 137,000 BTU/gallon and a maximum sulfur content of 0.4% by weight.

¹ Exhaust stack identifications listed in Table 1 were taken from the facility drawings (DWG NO. TITLE_V_2001) submitted on February 15, 2001 and revised March 9, 2001.

Table 1 – Significant Activities			
Emission Unit Number (EU#)	Description of Emission Unit	Exhaust Stack Identification ¹	Manufacturers Rated Maximum Design Capacity
EU04	Caterpillar Model #D399 8.5 MMBTU/Hr (Engine #4)	Stack 3	62.0 gal/hr of #2 diesel fuel oil with a heating value of 137,000 BTU/gallon and a maximum sulfur content of 0.4% by weight.
EU05	Caterpillar Model #D399 8.5 MMBTU/Hr (Engine #5)	Stack 3	62.0 gal/hr of #2 diesel fuel oil with a heating value of 137,000 BTU/gallon and a maximum sulfur content of 0.4% by weight
EU06	Caterpillar Model #D399 8.5 MMBTU/Hr (Engine #6)	Stack 3	62.0 gal/hr of #2 diesel fuel oil with a heating value of 137,000 BTU/gallon and a maximum sulfur content of 0.4% by weight.
EU07	Fairbanks Morse 3,165 KW 30.93 MMBTU/Hr (Engine #7)	Stack 4	<p>Dual Fuel operation: 98.5% Natural Gas (NG) or Liquefied Petroleum Gas LPG²) and 1.5% #2 diesel fuel oil based on fuel heating value; 30,930 cubic feet per hour (cf/hr) of NG with a heating value of 1,000 BTU/cf (LPG² may be substituted for NG); and 3.39 gal/hr of #2 diesel fuel oil with a heating value of 137,000 BTU/gallon and a maximum sulfur content of 0.4% by weight.</p> <p>Alternative Operating Scenarios: See Section VII. of this permit</p>
EU08 ³	Taurus 60-T7300S 5 MW Solar Gas Turbine with Heat Recovery Steam Generator 60.24 MMBTU/Hr (Engine #8)	Stack 16	60,240 cf/hr NG with a heating value of 1,000 BTU/cf; or 640.85 gal/hr LNG with a heating value of 94,000 BTU/gallon.
EU09	Cleaver Brooks CB600X-350 Boiler, 14.7 MMBTU/Hr Serial number: I-56928	Stack 1	14,700 cf/hr of NG with a heating value of 1,000 BTU/cf; or 156.4 gal/hr of LPG ² with a heating value of 94,000 BTU/gallon.
EU10	Cleaver Brooks CB95 Boiler, 4.0 MMBTU/Hr Serial number: C14076-M4	Stack 2	4,000 cf/hr of NG with a heating value of 1,000 BTU/cf; or 42.5 gal/hr of LPG ² with a heating value of 94,000 BTU/gallon.

² LPG shall be mixed with air prior to use as fuel to reduce the BTUs to NG equivalents for all units, which can use LPG as an alternate fuel to NG.

³ EU08 is subject to 40 CFR Part 60, subpart GG – Standards of Performance for Stationary Gas Turbines

Table 1 – Significant Activities

Emission Unit Number (EU#)	Description of Emission Unit	Exhaust Stack Identification¹	Manufacturers Rated Maximum Design Capacity
EU11 ⁴	Cleaver Brooks CB700-350LE Boiler, 14.7 MMBTU/Hr Serial number: GL097207	Stack 15	14,700 cf/hr of NG with a heating value of 1,000 BTU/cf; or 156.4 gal/hr of LPG ² with a heating value of 94,000 BTU/gallon.
EU12	Primary Hot Oil Boiler EnviroTech Model 19GH 16.3 MMBTU/Hr	Stack 7 & 8	16,300 cf/hr of NG with a heating value of 1,000 BTU/cf; or 173.4 gal/hr of LPG ² with a heating value of 94,000 BTU/gallon.
EU13	“Back-up” Hot Oil Boiler Geka Warmtechnik Nord THZ15S 2.5 MMBTU/Hr	Stack 9	2,500 cf/hr of NG with a heating value of 1,000 BTU/cf; or 26.6 gal/hr of LPG ² with a heating value of 94,000 BTU/gallon.
EU14	<u>Saturation Line</u> a. Compounding Area; b. IR Oven: 2 Glenro WG1177N burners at 0.04 MMBTU/Hr each; c. Hot Oil Can Drying Zones.	Stack 10	IR Oven - 80 cf/hr of NG with a heating value of 1,000 BTU/cf; or 0.85 gal/hr of LPG ² with a heating value of 94,000 BTU/gallon. When saturation of the non-woven fabric is occurring, the exhaust from the Hot Oil Can Drying Zones shall be routed through the Primary Hot Oil Boiler (EU12).
EU15	<u>Coating Line</u> a. Compounding Area; b. Hot Oil Can Drying Zone; c. Cooling Zone.		When coating operations are being performed, the exhaust from the Coating Line Hot Oil Can Drying Zones and the Cooling Zones shall be routed through the Primary Hot Oil Boiler (EU12).

⁴ EU11 is subject to 40 CFR Part 60, subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

B. Stack Criteria:

The stacks indicated in Table 2 – Stack Criteria for the significant devices indicated in Table 1 shall, discharge vertically without obstruction (including rain caps) and meet the following criteria in accordance with the modeling requirements specified in Env-A 600 and/or the state-only modeling requirements specified in Env-A 1400.

Table 2 – Stack Criteria			
Stack #	Emission Unit #	Minimum Stack Height Above Base Elevation ⁵ (Feet)	Maximum Stack Diameter or Dimensions (Feet)
Stack 1	CB600x350 (EU09)	52.0	1.7
Stack 2	CB95 (EU10)	28.0	1.4
Stack 3 ⁶	Engines 1-6 (EU01, EU02, EU03, EU04, EU05, EU06)	78.0	1.0 each
Stack 4	Engine 7 (EU07)	76.0	2.8
Stack 8	Primary Hot Oil Boiler (EU12)	37.5	3.5
Stack 9	Back-up Hot Oil Boiler (EU13)	36.0	1.7
Stack 10	<u>Saturation Line (EU14)</u> IR Oven	39.5	1.5
Stack 15	CB700x350LE (EU11)	78.0	1.67
Stack 16	Solar Turbine (EU08)	78.0	5.0

Preauthorized changes to the state-only requirements⁷ pertaining to stack parameters set forth in this permit, shall be permitted only when an air-quality impact analysis, which meets the criteria of Env-A 606 is performed either by the facility or the DES (if requested by the facility in writing) in accordance with the “DES Policy and Procedures for Air Quality Modeling”. All air modeling data shall be kept on file at the facility for review by the DES upon request.

⁵ The stack heights listed in Table 2 are from a base elevation of 25 feet, the elevation of the factory floor.

⁶ The stack configuration was changed in 1997 from the exhaust of individual engines venting into a common stack, to each engine having an individual stack bound together into a common cluster, thereby retaining individual flues. The stack diameter specified in Table 2 is for each individual engine flue stack.

⁷ The term “state-only requirement” is used to refer to those requirements that are not federally enforceable but are state requirements as defined in Env-A 101.259.

IV. Insignificant Activities Identification:

All activities at this facility that meet the criteria identified in Env-A 609.03(g) shall be considered insignificant activities. Emissions from the insignificant activities shall be included in the total facility emissions for the emission-based fee calculation described in Section XXIII of this Permit.

V. Exempt Activities Identification:

All activities identified in Env-A 609.03(c) shall be considered exempt activities and shall not be included in the total facility emissions for the emission based fee calculation described in Section XXIII of this permit.

VI. Pollution Control Equipment/Technique Identification:

The pollution control devices/techniques currently being utilized along with the associated activities are identified in Table 3 below. The Permittee is authorized to implement alternative particulate matter control techniques, including but not limited to replacement of the existing control devices with new control equipment and/or through process or operational controls. The Permittee shall demonstrate compliance with all applicable state and federal statutes, rule, regulations, and permits prior to any modification or replacement of the current particulate control devices. Records of compliance shall be kept on file at the facility and be made available to DES and/or EPA upon request. The Permittee shall provide DES with written pre-notification of any such change. The written notification shall be attached to the Permit as an addendum. The new control device or technique will be incorporated into the Permit upon re-issuance.

Table 3 – Pollution Control Equipment Identification			
Pollution Control Equipment Number (PCE#)	Description of Equipment	Minimum Efficiency of Equipment	Activity
PCE1	Walton Stroud Dust Cyclone Model 10B-10277	80.0%	Controls the particulate matter emissions from operation of the System 1 Resin dryers.
PCE2	Walton Stroud Dust Cyclone Model 10B-10277	80.0%	Controls the particulate matter emissions from operation of the System 2 Resin dryers.
PCE3	Walton Stroud Dust Cyclone Model 10B-10277	80.0%	Controls the particulate matter emissions from operation of the System 1 crystallizer system.
PCE4	Walton Stroud Dust Cyclone Model 10B-10277	80.0%	Controls the particulate matter emissions from operation of the System 2 crystallizer system.

VII. Alternative Operating Scenarios:

Alternative operating scenarios for EU07 (Fairbanks Morse 3165 KW internal combustion engine; Engine #7) are identified below.

1. For the purposes of engine startup, EU07 can operate only on #2 diesel fuel oil for a period not to exceed one hour per startup period. The maximum fuel usage rate for this device, during the startup period, shall be limited to 225.8 gallons per hour of #2 diesel fuel oil.
2. During periods when natural gas is not commercially available to the Permittee due to regional or national shortages or supply interruptions, the Permittee may operate EU07 on 100% #2 diesel fuel oil. During periods of 100% diesel operation, the Permittee shall not exceed the emissions limitations set forth in Table 5 of this permit.
3. For the purposes of safety or proper engine maintenance, the engine manufacturer has recommended that the Permittee operate EU07 on #2 diesel fuel oil 100% of the time during the following conditions/situations:
 - a. Where, for safety reasons, the engine automatically switches from gas mode to diesel mode without loss of power output, and continues to operate on diesel fuel oil while one or more of the following deficiencies is/are being corrected:
 - i. Equipment vibration due to a combustion problem while operating on gas;
 - ii. Low or interrupted gas supply;
 - iii. Cylinder temperature spread is excessive;
 - iv. Air manifold pressure or temperature are out of range; and/or
 - v. Engine jacket water and lubricating oil temperature are below the minimum allowed.
 - b. Diesel operation is required for troubleshooting the engine under running conditions to determine the cause of gas operational malfunctions.
 - c. Diesel operation is required to wear-in new power components that are replaced due to failure or normal service life replacement. This procedure requires up to 18 hours of diesel operation and will consume approximately 3,000 gallons of #2 diesel oil fuel.
 - d. Diesel operation is otherwise required for safety or proper maintenance reasons.
4. At such times that EU07 operates 100% of the time on #2 diesel oil fuel, the Permittee shall notify the Division within 24 hours and maintain fuel records. In the event that operation on 100% diesel fuel is anticipated for an extended period, a single notice at the beginning of 100% diesel operation shall be submitted, identifying:
 - a. The reason why EU07 must operate on 100% diesel fuel on a continuous basis; and
 - b. The expected duration of the operation on 100% diesel fuel.
5. The Permittee shall notify DES within 30 days of cessation of 100% diesel fuel usage for EU07.
6. During the period of time when EU07 is operated on #2 diesel fuel oil 100% of the time as allowed in Permit condition VII.1 through VII.3, for every one gallon of #2 diesel fuel oil consumed by EU07, the allowable consumption of #2 diesel fuel oil for EU01, EU02, EU03, EU04, EU05, and EU06 shall be reduced by 2.0 gallons.

VIII. Applicable Requirements:

A. State-only Enforceable Operational and Emission Limitations:

The Permittee shall be subject to the state-only operational and emission limitations identified in Table 4 below.

Table 4 – State-only Enforceable Operational and Emission Limitations			
Item #	Applicable Requirements	Applicable Emission Unit	Regulatory Cite
1.	In accordance with Env-A 1403.01, new or modified devices or processes installed after May 8, 1998, shall be subject to the requirements of Env-A 1400	Facility Wide	Env-A 1403.01
2.	In accordance with Env-A 1403.02(b), all existing devices or processes in operation after the transition period ending May 8, 2001, shall comply with Env-A 1400.	Facility Wide	Env-A 1403.02(b)
3.	In accordance with Env-A 1404.01(d), documentation for the demonstration of compliance shall be retained at the facility, and shall be made available to the DES for inspection.	Facility Wide	Env-A 1404.01(d)
4.	In accordance with Env-A 1406.01, the owner of any device or process that emits a regulated toxic air pollutant, shall determine compliance with the ambient air limits by using one of the methods provided in Env-A 1406.02, Env-A 1406.03, or Env-A 1406.04. Upon request, the owner of any device or process that emits a regulated toxic air pollutant shall provide documentation of compliance with the ambient air limits to the DES.	Facility Wide	Env-A 1406.01
5.	In accordance with RSA 125-I:5 IV, if DES revises the list of regulated toxic air pollutants (RTAPs) or their respective ambient air limits or classifications under RSA 125-I:4, II and III, and as a results of such revision the Permittee is required to obtain or modify the Permit under the provisions of RSA 125-I or RSA 125-C, the Permittee shall have 90 days following publication of notice of such final revision in the New Hampshire Rulemaking Register to file a complete application for such permit or permit modification. DES shall include as conditions in any permit issued as a result of a revision to the list of RTAPs a compliance plan and a schedule for achieving compliance based on public health, economic and technical consideration, not to exceed 3 years.	Facility Wide	RSA 125-I:5 IV
6.	The exhaust gases from EU15 (coating-line drying and cooling zones) and EU14 (saturation line hot oil can zones) shall be routed through EU12 (Primary Hot Oil Boiler) as combustion air. EU12 will combust the VOC emissions from the coating-line drying and cooling zones and saturation line hot-oil can dryers. EU12 shall be in operation whenever coatings are being applied at the coating line and/or saturation line. The combustion chamber temperature of EU12 shall be maintained at or above a nominal temperature of 600°C except during startup and shutdown.	EU12	Env-A 1403.01
7.	The average opacity shall be allowed to be in excess of the standard specified in Env-A 2003.02 for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, malfunction, soot blowing, grate cleaning, and cleaning of fires.	Fuel Burning Devices (except EU08 & EU11)	Env-A 2003.02

Table 4 – State-only Enforceable Operational and Emission Limitations			
Item #	Applicable Requirements	Applicable Emission Unit	Regulatory Cite
8.	Exceedances of the opacity standard shall not be considered violations of Env-A 2003 if the source demonstrates to the Division that such exceedances were the result of the adherence to good boiler operating practices which, in the long term, result in the most efficient or safe operation of the boiler.	EU09, EU10, EU12, EU13	ENV-A 2003.04(d)
9.	Exceedances of the opacity standard shall not be considered violations of this part if the source demonstrates to the division that such exceedances were the result of the occurrence of an unplanned incident in which the opacity exceedances was beyond the control of the operator and in response to such incident, the operator took appropriate steps in conformance with good boiler operating practice to eliminate the excess opacity as quickly as possible.	EU09, EU10, EU12, EU13	Env-A 2003.04(f)
10.	The Permittee shall not cause or allow emissions of particulate matter from fuel burning devices installed after May 13, 1970 but before January 1, 1985 in excess of the rates set forth in Env-A 2003.06(c). This equates to an emission standard of 0.60 lb/MMBTU for EU01 through EU05, and EU10, and to an emission standard of 0.55 lb/MMBTU for EU09.	EU01, EU02, EU03, EU04, EU05, EU09, EU10	Env-A 2003.06(c)
11.	Unless otherwise specified in Env-A 2100, no person shall cause or allow visible fugitive emissions or visible stack emissions from any process, manufacturing or service-based industry to exceed an average of 20 percent opacity for any continuous 6-minute period in any 60-minute period, except where opacity is specified differently for fuel burning devices in Env-A 2000.	Process Devices Facility Wide	Env-A 2107.01(a)
12.	The Permittee shall no cause or allow emissions of particulate matter from fuel burning devices installed on or after January 1, 1985 in excess of 0.30 pounds per million BTU.	EU06, EU07, EU08, EU11, EU12 & EU13	Env-A 2003.08
13.	<p>Calculation of Particulate Matter Emission Standards for New Process Devices</p> <p>Particulate matter emissions from a ‘New Device’⁸:</p> <p>a.) With a process weight rate up to 60,000 pounds per hour, shall not exceed the emission rate averaged over a one hour period, as specified in the formula below:</p> $E = 4.10 \times P^{0.67}$ <p>or</p> <p>b.) With a process weight rate in excess of 60,000 pounds per hour, shall not exceed the emission rate averaged over a one hour period, as in the formula below:</p> $E = 55.0 \times P^{0.11} - 40$ <p>Where:</p> <p>E = the maximum allowable particulate matter emission rate in pounds per hour;</p> <p>P = the process weight rate in tons per hour</p>	Process Devices Facility Wide	Env-A 2103.02(c)

⁸ New Device - A process or device, used by a manufacturing and service-based industry installed after February 18, 1972.

Table 4 – State-only Enforceable Operational and Emission Limitations			
Item #	Applicable Requirements	Applicable Emission Unit	Regulatory Cite
14.	<p>Calculation of Particulate Matter Emission Standards for Existing Process Device</p> <p>Where the process weight rate is not explicitly stated in Env-A 2103.01, Table 2103-1, the maximum allowable particulate matter emissions from an ‘Existing Device’⁹</p> <p>a.) With a process weight rate up to 60,000 pounds per hour, shall not exceed the emission rate averaged over a one hour period, as specified in the formula below:</p> $E = 5.05 \times P^{0.67}$ <p>or</p> <p>b.) With a process weight rate in excess of 60,000 pounds per hour, shall not exceed the emission rate averaged over a one hour period, as in the formula below:</p> $E = 66.0 \times P^{0.11} - 48$ <p>Where:</p> <p>E = the maximum allowable particulate matter emission rate in pounds per hour;</p> <p>P = the process weight rate in tons per hour</p>	Process Devices Facility Wide	Env-A 2103.01(c) and/or 2103.02(b)

B. Federally Enforceable Operational and Emission Limitations

The Permittee shall be subject to the Federally enforceable operational and emission limitations identified in Table 5 below:

Table 5 – Federally Enforceable Operational and Emission Limitations			
Item #	Applicable Requirement	Applicable Emission Unit	Regulatory Cite
1.	The sulfur content of No. 2 oil and off road diesel fuel oil shall not exceed 0.40 percent sulfur by weight.	Facility Wide	Env-A 1604.01(a) and FP-T-0034
2.	Gaseous fuel shall contain no more than 5 grains of sulfur per 100 cubic feet of gas, calculated as hydrogen sulfide (H ₂ S) at standard temperature and pressure.	Facility Wide	40 CFR 52 ¹⁰
3.	No owner or operator shall cause or allow average opacity from fuel burning devices installed after May 13, 1970 in excess of 20 percent for any continuous 6-minute period in any 60-minute period.	Fuel Burning Devices	FP-T-0034

⁹ Existing Device – A process of device, used by a manufacturing and service-based industry installed prior to or on February 18, 1972.

¹⁰ Env-A 402.03, effective February 19, 1981, was adopted as part of the State Implementation Plan (SIP) on March 15, 1983 and is still considered federally enforceable until such time as the SIP is amended and approved by the EPA.

Table 5 – Federally Enforceable Operational and Emission Limitations

Item #	Applicable Requirement	Applicable Emission Unit	Regulatory Cite
4.	The Permittee shall not cause or allow the average opacity from fuel burning devices subject to 40 CFR 60, and installed after May 13, 1970, in excess of 20 percent for any continuous 6-minute period in any 60-minute period. During periods of startup, shut down and malfunction, average opacity shall be allowed to be in excess of 20 percent for one period of 6 continuous minutes in any 60-minute period.	EU08 & EU11	40 CFR 60.11(c)
5.	The average opacity shall be allowed to be in excess of the standard specified in Env-A 1202.04 for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, malfunction, soot blowing, grate cleaning, and cleaning of fires.	Fuel Burning Devices (except EU08 & EU11)	40 CFR 52 ¹¹
6.	The Permittee shall not cause or allow emissions of particulate matter from fuel burning devices installed after May 13, 1970 but before January 1, 1985 in excess of the rates set forth in Env-A 1202.06. This equates to an emission standard of 0.60 lb/MMBTU for EU01 through EU05, and EU10, and to an emission standard of 0.55 lb/MMBTU for EU09.	EU01, EU02, EU03, EU04, EU05, EU09, EU10	40 CFR 52 ¹¹
7.	The Permittee shall not cause or allow emissions of particulate matter from fuel burning devices installed on or after January 1, 1985 in excess of the rates set forth in Env-A 1202.07 which equates to 0.30 lb/MMBTU.	EU06, EU07, EU08, EU11, EU12 & EU13	40 CFR 52 ¹¹
8.	The total NO _x emissions from this facility shall not exceed 160.7 tons during any consecutive 12-month period. The actual facility-wide NO _x emissions shall be calculated on a 12-month rolling basis. The monthly NO _x emissions total shall be added to the total actual aggregate NO _x emissions for the previous eleven months. The resultant 12-month actual emission total shall not exceed the NO _x limitation established in this Permit.	Facility Wide	FP-T-0034
9.	The maximum #2 diesel fuel oil and/or natural gas consumption for EU01 through EU06 and EU08 shall not exceed those quantities that would result in the NO _x emissions from these devices exceeding the minor New Source Review limit of 103.5 tons during any consecutive 12-month period. The facility shall use Formulas 1 through 3 below to verify compliance with the minor New Source Review limit.	EU01, EU02, EU03, EU04, EU05, EU06, & EU08	FP-T-0034
10.	The maximum consumption for EU01 through EU06 combined of #2 diesel fuel oil shall not exceed those quantities that would result in the NO _x emissions from these devices in excess of 103.5 tons during any consecutive 12-month period. The hourly average NO _x emissions from EU1 through EU6 shall not exceed 8.0 grams per BHP-hour.	EU01, EU02, EU03, EU04, EU05 & EU06	FP-T-0034 & Env-A 1211.07

¹¹ Env-A 1202, effective February 19, 1981, was adopted as part of the State Implementation Plan (SIP) on March 15, 1983 and is still considered federally enforceable until such time as the SIP is amended and approved by the EPA.

Table 5 – Federally Enforceable Operational and Emission Limitations

Item #	Applicable Requirement	Applicable Emission Unit	Regulatory Cite
11.	<p>NO_x emissions from EU07 shall be limited to 42.5 tons during any consecutive 12-month period. The consumption of natural gas, LPG, and #2 diesel fuel (with a sulfur content of 0.4% by weight) in EU07, shall be limited such that actual NO_x emissions do not exceed the annual emission limit cited above. Actual NO_x emissions from EU07 shall be calculated in accordance with Formula #5 below.</p> <p>During dual fuel mode, the hourly average NO_x emissions from EU07 shall not exceed 2.5 grams per BHP-hr. When operating on 100% #2 diesel fuel as specified in Section VII of this Permit, EU07 shall be limited to an hourly average NO_x emission limit no greater than 8.0 grams per BHP-hr.</p>	EU07	FP-T-0034 & Env-A 1211.07(c)(2)
12.	The hourly average NO _x emissions from combined and regenerative cycle combustion gas-fired turbines (EU08) shall not exceed 42 ppmvd, corrected to 15% oxygen (O ₂).	EU08	Env-A 1211.06
13.	Those processes applying a coating to any non-woven, fibrous substrate including fabric, shall be limited at all times to an emission rate of 0.35 kg/l (2.9 lb VOC/gallon) of coating, as applied, excluding water and exempt compounds as set forth in Env-A 1204.05(b).	Facility Wide	40 CFR 52 ¹²
14.	The Facility shall comply with the National Ambient Air Quality Standards (NAAQS) and the applicable requirements of RSA 125-C:6, RSA C:11 and Env-A 606.04.	Facility Wide	RSA 125-C:6, RSA 125-C:11 and Env-A 606.04
15.	The Permittee shall not build, erect, install, or use any article, machine, equipment, or process, the use of which conceals an emission from EU08 and/or EU11, which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.	EU08 & EU11	40 CFR 60.12
16.	At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain, and operate EU08 and EU11 in a manner consistent with good air pollution control practice for minimizing emissions.	EU08 & EU11	40 CFR 60.11

¹² Env-A 1204.05, effective February 19, 1981, was adopted as part of the State Implementation Plan (SIP) on March 15, 1983 and is still considered federally enforceable until such time as the SIP is amended and approved by the EPA.

Table 5 – Federally Enforceable Operational and Emission Limitations

Item #	Applicable Requirement	Applicable Emission Unit	Regulatory Cite
17.	<p>Accidental Release Program Requirements.</p> <p>Currently, substances regulated under 40 CFR 68 are stored at the facility in amounts less than the applicable threshold quantities established in 40 CFR 68.130. Administrative controls will be established in order to ensure that inventories of regulated substances are maintained below the specified threshold quantities. The facility is subject to the Purpose and General Duty clause of the 1990 Clean Air Act, Section 112(r)(1). General Duty includes the following responsibilities:</p> <ul style="list-style-type: none"> a.) Identify potential hazards which result from such releases using appropriate hazard assessment techniques; b.) Design and maintain a safe facility; c.) Take steps necessary to prevent releases; and d.) Minimize the consequences of accidental releases that do occur. <p>If, in the future, the facility wishes to store quantities of regulated substances above the threshold levels, risk management plan shall be submitted to the Part 68 implementing agency prior to exceeding threshold quantity limits.</p>	Facility Wide	40 CFR 68

The Permittee shall use the following formulas, calculated on a rolling 12-month basis, to verify compliance with the corresponding condition specified in Table 5, of this Permit:

Formula #1: Total 12-month Rolling NO_x Emissions

$$NOx_{(Total)} = (NOx_{(EU\ 01-06\ \&\ EU\ 08)}) + (P11MT)$$

Where:

$NOx_{(Total)}$ = Actual total annual NO_x emissions from EU01 through EU06 and EU08 combined in tons.

$NOx_{(EU\ 01-06\ \&\ EU\ 08)}$ = Actual NO_x emissions from the EU01, EU02, EU03, EU04, EU05, EU06, and EU08 in tons combined.

$P11MT$ = Sum of the previous 11 months combined actual NO_x emissions from EU01 through EU06 and EU08 (in TPY).

Formula #2: Monthly NO_x Emissions from EU01 Through EU06

$$NOx_{(EU\ 01-EU\ 06)} = (ENGINES * EF\ lb/MMBTU) \div 2000\ lb/ton$$

Where:

$NOx_{(EU\ 01-EU\ 06)}$ = Actual NO_x emissions from EU01 through EU06 combined in tons per month.

$Engines$ = Total monthly #2 diesel fuel oil consumption in EU01 through EU06 in millions of BTU (based on the #2 diesel fuel oil heating value of 137,000 BTU/Gal).

$EF\ lb/MMBTU$ = NO_x Emission factor in lb/MMBTU from the most recent valid stack test.

Formula #3: Monthly NO_x Emissions from EU08

$$NO_{x(EU8)} = (TURBINE * EF \text{ lb/MMBTU}) \div 2000 \text{ lb/ton}$$

Where:

- $NO_{x(EU8)}$ = Actual NO_x emission from EU08 in tons per month.
 $TURBINE$ = Total monthly NG consumption in EU08 in millions of BTU (based on the natural gas heating value of 1,000 BTU/ft³)
 $EF \text{ lb/MMBTU}$ = NO_x Emission factor in lb/MMBTU from the most recent valid stack test.

Formula #4: NO_x Emissions from Gas Consumption for EU11

$$NO_{x(EU11)} = ((GAS * 35.37 \text{ lb/MMCF}) + (LPG * 4.604 \text{ lb/kGal})) \div 2000 \text{ lb/ton}$$

Where:

- $NO_{x(EU11)}$ = Actual NO_x emissions from EU11 (Clever Brook CB700-350LE Boiler) during any consecutive 12 month period.
 GAS = Actual EU11 NG usage (in million cubic feet) per consecutive 12-month period.
 35.37 lb/MMCF = NO_x emission factor in pounds per million cubic feet of NG based on vendor guarantee.
 LPG = Actual EU11 LPG usage (in thousands of gallons) per consecutive 12-month period.
 4.604 lb/kGal = NO_x emission factor in pounds per thousand gallons of LPG based on vendor guarantee.

Formula #5: NO_x Emissions from EU07

$$NO_{x(EU07)} = ((OIL * 0.35 \text{ lb/gal}) + (DF * EF \text{ lb/MMBTU})) \div 2000 \text{ lb/ton}$$

Where:

- $NO_{x(EU07)}$ = Actual NO_x emissions from EU07 (Engine 7) during a consecutive 12 month period.
 OIL = Gallons of #2 diesel oil burned in 100% oil mode per consecutive 12-month period.
 0.35 lb/gal = NO_x emission factor in pounds per gallon of #2 diesel based on vendor guarantee.
 DF = Total heat input (in millions of BTUs) of fuel consumed by EU07 during the dual fuel mode per consecutive 12-month period.
 $EF \text{ lb/MMBTU}$ = NO_x emission factor in pounds per million BTU from the most recent valid stack test.

C. Emission Reductions Trading Requirements

The Permittee did not request emissions reductions trading in its operating permit application. At this point, DES has not included any permit terms authorizing emissions trading in this permit. All emission reduction trading, must be authorized under the applicable requirements of either Env-A 3000 (the "Emissions Reductions Credits (ERCs) Trading Program") or Env-A 3100 (the "Discrete Emissions Reductions (or DERs) Trading Program") and 42 U.S.C § 7401 et seq. (The "Clean Air Act"), and must be provided for in this permit.

D. Monitoring and Testing Requirements:

The Permittee is subject to the monitoring and testing requirements as contained in Table 6 below:

Table 6 – Monitoring/Testing Requirements					
Item #	Parameter	Method of Compliance	Frequency of Method	Device	Regulatory Cite
1.	Allows for adequate dispersion of HAPs and other regulated pollutants	The Permittee shall conduct annual visual inspections of each stack and fuel-burning device. Annual inspections shall include a thorough inspection of the condition of each stack exterior and each fuel-burning device, and be focused on identifying holes, leaks, deposits, deficiencies, or deterioration of equipment and stacks. Records of inspections, and subsequent maintenance, conducted as a result of the annual inspections, shall be kept on file at the facility and made available for review by DES and/or EPA upon request.	Annually	Facility stacks and fuel burning devices	Env-A 806.01(4) and 40 CFR 70.6(a)(3) Federally Enforceable
2.	Sulfur Content of liquid fuels	The operator shall conduct testing in accordance with appropriate ASTM test methods or retain delivery tickets which certify the weight percent of sulfur for each delivery of fuel oil and diesel to determine compliance with the sulfur content limitation provisions specified in this permit for liquid fuels in order to meet the reporting requirements specified in Env-A900.	For each delivery of fuel oil and diesel to the facility	Facility Wide	Env-A 809.01 Federally Enforceable
3.	Nitrogen content of gaseous fuels	No monitoring of fuel nitrogen is required so long as the Permittee is supplied with solely pipeline-quality NG or LNG. If EPA approves a method for monitoring fuel bound nitrogen in gaseous fuels in the future, the Permittee may be required to monitor or test nitrogen content in its NG and LNG supply.	At the agreed upon frequency for NG and LNG	EU08	40 CFR 60.334(b) Federally Enforceable

Table 6 – Monitoring/Testing Requirements

Item #	Parameter	Method of Compliance	Frequency of Method	Device	Regulatory Cite
4.	Sulfur content of gaseous fuels	<p>The Permittee shall conduct testing for sulfur in accordance with appropriate ASTM test methods¹³ for the NG and LNG to determine compliance with the sulfur content limitation provisions specified in this permit for gaseous fuels.</p> <p>The Permittee has agreed to the following sampling and analysis frequency:</p> <ul style="list-style-type: none"> a.) Initially, once per quarter for six consecutive quarters, for both NG and LNG with no two monitoring dates within 30 days of each other. If either NG or LNG is not used in a particular quarter, then no monitoring of that fuel is required in that quarter. b.) If the average sulfur content from the first six (6) sulfur fuel content tests results for NG and/or LNG (distributed over the first six quarters after July 5, 2000 during which NG and/or LNG is used), is less than 50% of the permitted sulfur limit (as expressed in 40 CFR part 60 subpart GG at 0.8% by weight)¹⁴, and no single reading is greater than 80% of the subpart GG sulfur limit, the Permittee may reduce the NG and/or LNG sulfur content monitoring frequency to twice per year during the first and third calendar quarters. This monitoring must be done in the first and third calendar quarters of each year in which NG and/or LNG is used at all during that calendar year. c.) Should any measurement taken under b) indicate non-compliance with 40 CFR part 60 subpart GG sulfur limit, the Permittee, upon learning of said non-compliance, shall immediately begin monitoring fuel sulfur content weekly. The Permittee shall, within 14-days of learning of said non-compliance, notify DES and EPA, so that the custom fuel monitoring schedule can be reexamined. d.) Within 14 days of learning of any change in fuel supply or significant change in fuel quality, the Permittee shall notify DES and EPA of the fuel supply change such that the custom fuel-monitoring schedule can be reexamined. From the time of said notification, until EPA makes a determination regarding the custom fuel-monitoring schedule, fuel shall be monitored weekly. 	At the agreed upon frequency for NG and LNG	EU08	Env-A 1610.01; 40 CFR 60.334(b); & letter to Permittee from US EPA dated July 5, 2000 Federally Enforceable

¹³ ASTM methods: D1072-80; D3031-81; D3246-81; D4084-82; 5504-94, or another EPA approved method.

¹⁴ The sulfur content of the NG and LNG used must comply with the sulfur content limitation specified in Table 5, Item 2 of this Permit.

Table 6 – Monitoring/Testing Requirements

Item #	Parameter	Method of Compliance	Frequency of Method	Device	Regulatory Cite
5.	Opacity Measurement	Opacity measurements shall be conducted following the procedures set forth in 40 CFR Part 60, Appendix A, Method 9, VISUAL DETERMINATION OF THE OPACITY OF EMISSIONS FROM STATIONARY SOURCES.	As needed or once per year	Fuel Burning Devices	Env-A 810.03 Federally Enforceable
6	Opacity Measurement	Opacity measurements shall be conducted following the procedures set forth in 40 CFR Part 60, Appendix A, Method 22, VISUAL DETERMINATION OF FUGATIVE EMISSIONS FROM MATERIAL SOURCES AND SMOKE EMISSIONS FROM FLARES. If visible fugitive emissions are detected, opacity measurements shall be conducted following the procedures set forth in 40 CFR Part 60, Appendix A, Method 9, VISUAL DETERMINATION OF THE OPACITY OF EMISSIONS FROM STATIONARY SOURCES.	As needed	Process Devices	40 CFR 60 Appendix A Federally Enforceable
7.	Particulate Matter	The pollution control equipment listed in Table 3 shall be maintained regularly, in accordance with the manufacturer's recommended maintenance schedules and specifications. The Facility shall keep all maintenance and repair records on file for review upon request by DES and/or EPA.	As required by the manufacturer	PCE1, PCE2, PCE3 & PCE 4	Env-A 806.01(4) and 40 CFR 70.6(a)(3) Federally Enforceable
8.	Fuel Consumption	The #2 diesel fuel flow meter will be continuously operated and maintained on the fuel inlet line to EU01 through EU06 to measure the total combined diesel fuel consumption in EU01 through EU06.	Daily	EU01, EU02, EU03, EU04, EU05 & EU06	Env-A 806 & 40 CFR 70.6 (a)(3)(i)(B) & FP-T-0034 Federally Enforceable
9.	Fuel Consumption	A NG/LPG/LNG flow meter shall be continuously operated on the inlet line to EU07, EU08, EU09, EU11, EU12, and EU13 to measure the total amount of natural gas or LPG consumption in EU07, EU08, EU09, EU11, EU12, and EU13.	Daily	EU07, EU08, EU09, EU11, EU12 & EU13	Env-A 806 & 40 CFR 70.6 (a)(3)(i)(B) & FP-T-0034 Federally Enforceable
10.	Fuel Consumption	A #2 diesel fuel flow meter shall be continuously operated on the fuel inlet line to EU07 to measure the total amount of diesel fuel consumption by EU07.	Daily	EU07	Env-A 806 & 40 CFR 70.6 (a)(3)(i)(B) & FP-T-0034 Federally Enforceable

Table 6 – Monitoring/Testing Requirements

Item #	Parameter	Method of Compliance	Frequency of Method	Device	Regulatory Cite
11.	Periodic Monitoring	Hour meters installed on EU01, EU02, EU03, EU04, EU05, EU06, EU07, and EU08 shall record the hours of operation for each engine on a daily basis and shall be used in conjunction with records of daily fuel usage.	Daily	EU01, EU02, EU03, EU04, EU05, EU06, EU07 & EU08	Env-A 806 & 40 CFR 70.6 (a)(3)(i)(B) & FP-T-0034 Federally Enforceable
12.	Periodic Monitoring	Calibration of the fuel oil metering devices following manufacturer's recommended procedures shall occur at least once annually or in a manner and/or frequency approved by the Division.	Annually	EU01, EU02, EU03, EU04, EU05, EU06 & EU07	Env-A 806 & 40 CFR 70.6 (a)(3) & FP-T-0034 Federally Enforceable
13.	Periodic Monitoring	The NG/LPG/LNG fuel flow meters shall be maintained in accordance with manufacturer's specifications.	As required by the manufacturer	EU07, EU08, EU09, EU11, EU12 & EU13	Env-A 806 & 40 CFR 70.6 (a)(3) & FP-T-0034 Federally Enforceable
14.	Periodic Monitoring	The hourly meters shall be maintained in accordance with manufacturer's specifications.	As required by the manufacturer	EU01, EU02, EU03, EU04, EU05, EU06, EU07 & EU08	Env-A 806 & 40 CFR 70.6 (a)(3) Federally Enforceable

Table 6 – Monitoring/Testing Requirements

Item #	Parameter	Method of Compliance	Frequency of Method	Device	Regulatory Cite
15.	Periodic Monitoring	<p>The Permittee shall determine compliance with the NO_x emissions limits specified in Table 5 of this Permit for EU01 through EU08 by conducting stack testing every three years in accordance with the requirements of Env-A 1211.21. Compliance testing shall be planned and carried out in accordance with the following schedule:</p> <ul style="list-style-type: none"> a.) At least 30 days prior to the commencement of testing, the Permittee shall submit to DES a pretest plan presenting the following information: <ul style="list-style-type: none"> 1. Calibration methods and sample data sheets; 2. Description of the test methods to be used; 3. Pre-test preparation procedures; 4. Sample collection and analysis methods; 5. Process data to be collected; and 6. Complete test program description. b.) At least 15 days prior to the test date, the Permittee and any contractor the Permittee retains for the performance test, shall participate in a pretest conference with a DES representative. c.) Emission testing shall be carried out under the observation of a DES representative. d.) Within 30 days after completion of testing, the Permittee shall submit a test report to the DES. 	At least every three years and/or upon request by DES or EPA	EU01, EU02, EU03, EU04, EU05, EU06 EU07 & EU08	Env-A 800, FP-T-0034, Env-A 1211.21; FP-T-0034 & 40 CFR 70.6 (a)(3) Federally Enforceable
16.	Periodic Monitoring	Annually, before April 1 st of each year, the Permittee shall perform efficiency testing using the test procedures specified in ASME/ANSI Boiler Test Code 4.1 and adjust the combustion process of the boiler in accordance with the procedures specified in chapter 5, Combustion Efficiency Tables, Taplin, Harry R., Fairmount Press, 1991.	Annually	EU09, EU11 & EU12	Env-A 1211.05(b) & 40 CFR 70.6 (a)(3) & FP-T-0034 Federally Enforceable
17.	VOC Content of compliant coatings	When compliance is by low VOC coatings, the VOC content and applicable physical properties shall be determined using 40 CFR 60, Appendix A, Method 24 at a 1-hour bake time. Coating manufacturer's test results as specified in the Material Safety Data Sheet, (MSDS) may be used by the facility to demonstrate compliance. Results shall be presented as pounds of VOC per gallon of coating.	All low VOC coatings subject to the applicable requirements of VOC RACT and whenever changes in coating constituents or coating formulations are made.	Facility Wide	Env-A 803.03(a) Federally Enforceable

Table 6 – Monitoring/Testing Requirements					
Item #	Parameter	Method of Compliance	Frequency of Method	Device	Regulatory Cite
18.	Operating Temperature	A reading of the operating temperature of EU12 (primary hot oil boiler) shall be taken on a daily basis and recorded in a bound logbook as specified in Table 7, Item 15.	Daily	EU12	Env-A 1406 State-only Enforceable
19.	Periodic Monitoring	The Permittee shall perform destruction efficiency testing of VOC/HAP emissions vented through EU12 (primary hot oil boiler) from EU15 (coating Line) drying and cooling zones and EU14 (Saturation Line) hot oil cans drying zones. Any requested compliance testing shall be planned and carried out in accordance with the schedule specified in Item 15 above.	Upon written requested by DES	EU12	Env-A 800 & Env-A 1406.05 State-only Enforceable

E. Recordkeeping Requirements¹⁵:

The Permittee shall be subject to the recordkeeping requirements identified in Table 7 below:

Table 7 – Applicable Recordkeeping Requirements				
Item #	Applicable Recordkeeping Requirement	Records Retention Requirement	Applicable Emission Unit	Regulatory Cite.
1.	The Permittee shall retain records of all required monitoring data, recordkeeping and reporting requirements, and support information for a period of at least 5 years from the date of origination.	Retain for a minimum of 5 years	Facility Wide	40 CFR 70.6(a)(3)(ii)(B) Federally Enforceable

¹⁵ On April 23, 199 DES promulgated new Env-A 900 regulations in an attempt to streamline the recordkeeping and reporting requirements sections of the New Hampshire Code of Administrative Rules. Until such time that the new Env-A 900 regulations are approved and adopted into the State Implementation Plan (SIP) by EPA, all Title V permits will be incorporating the old Env-A 900 regulations (which became effective on November 11, 1992), unless the new Env-A 900 regulations are more stringent. The recordkeeping and reporting requirements contained in this Permit are those requirements, which the facility shall be required to comply with. These recordkeeping and reporting requirements shall fall under the Permit Shield provisions as contained in Section XIII of this Permit.

Table 7 – Applicable Recordkeeping Requirements

Item #	Applicable Recordkeeping Requirement	Records Retention Requirement	Applicable Emission Unit	Regulatory Cite.
2.	<p>The Permittee shall maintain records of monitoring requirements as specified in Table 6 of this Permit including:</p> <ul style="list-style-type: none"> a.) Maintenance and inspection results for stacks, and fuel burning devices; b.) Results of visual opacity determinations performed on fuel burning and process devices; c.) Summary of maintenance and repair records for pollution control equipment listed in Table 3. d.) Summary of maintenance, calibration, and repair records of the fuel oil metering devices; e.) Summary of maintenance, calibration, and repair records of the NG /LPG metering devices; f.) Summary of maintenance, calibration, and repair records of the hourly metering devices installed on EU01 through EU06, EU07, and EU08; g.) Copies of the results for NO_x testing on EU01 through EU08; h.) Summary of boiler efficiency testing and the adjustments to the combustion processes; and i.) Summary of maintenance, calibration, and repair records of the temperature monitor on EU12. 	Maintain on a continuous basis	Facility Wide	<p>40 CFR 7.6(a)(3)(iii)(A) Federally Enforceable</p>
3.	<p>Delivery tickets from each fuel oil supplier for each shipment of fuel oil received shall be kept on file in a form suitable for inspection and shall be available to the DES and/or EPA upon request. Each delivery ticket shall indicate:</p> <ul style="list-style-type: none"> a.) The name of the fuel supplier; b.) The address of the fuel oil supplier; c.) The telephone number of the fuel oil supplier; d.) The quantity of fuel oil delivered; and e.) The percent sulfur by weight of the fuel oil being delivered. <p>If delivery tickets do not contain the sulfur content of fuel being delivered, the Permittee must perform testing in accordance with appropriate ASTM test methods to determine compliance with the sulfur content limitation provisions in Env-A 1604.01(a) and 1604.01(c)(2) for liquid fuels. The Permittee shall maintain all records of testing performed.</p>	Maintain on a continuous basis	Facility Wide	<p>40 CFR 70.6(a)(3) Federally Enforceable</p>

Table 7 – Applicable Recordkeeping Requirements

Item #	Applicable Recordkeeping Requirement	Records Retention Requirement	Applicable Emission Unit	Regulatory Cite.
4.	<p>Delivery tickets from each LPG supplier shall be kept on file in a form suitable for inspection and shall be available to the DES and/or EPA upon request. Each certificate shall indicate:</p> <ul style="list-style-type: none"> a.) The name of the supplier; b.) The address of the supplier; c.) The telephone number of the supplier; and d.) The percent sulfur by weight of the LPG supplied. <p>For each delivery of LPG to the facility, the Permittee shall obtain sulfur content data from the supplier or have testing performed using appropriate ASTM methods. Records of testing performed by the Permittee shall be maintained by the facility.</p>	Maintain on a continuous basis	Facility Wide	40 CFR 70.6(a)(3) Federally Enforceable
5.	<p>Billing tickets from the natural gas and LNG supplier shall be kept on file in a form suitable for inspection and shall be available to the DES and/or EPA upon request. Each certificate shall indicate:</p> <ul style="list-style-type: none"> a.) The name of the supplier; b.) The address of the supplier; and c.) The telephone number of the supplier. <p>The Permittee shall maintain all records ASTM testing performed according to the schedule outlined in Table 6, Item 3, to determine sulfur content of the NG and/or LNG consumed.</p>	Maintain on a continuous basis	EU08	40 CFR 70.6(a)(3) Federally Enforceable
6.	<p>The Permittee shall record the following information:</p> <ul style="list-style-type: none"> a.) The dates and times when each engine is run, including the total number of hours run during each 24-hour calendar day period (daily); b.) The combined quantity of #2 diesel fuel used daily, in gallons per day; c.) The time of day each reading was taken; d.) The running total of a) and b) for the previous thirty-day period; and e.) The calculated MMBtu/gallon of fuel. 	Maintain on a continuous basis	EU01, EU02, EU03, EU04, EU05 & EU06	ENV-A 901.03 & FP-T-0034 Federally Enforceable

Table 7 – Applicable Recordkeeping Requirements

Item #	Applicable Recordkeeping Requirement	Records Retention Requirement	Applicable Emission Unit	Regulatory Cite.
7.	<p>The Permittee shall record the following information:</p> <ul style="list-style-type: none"> a.) The dates and times when the engine is run, including the total number of hours run during each 24-hour calendar day period (daily); b.) The quantity of fuel used daily (in gallons per day for diesel or MMCF per day for NG/LPG); c.) The time of day each reading was taken; d.) The fuel type; e.) Information pertaining to the operating scenario being used; f.) The running total of a) and b) for the previous thirty-day period; and g.) The calculated MMBtu/gallon or MMBTU/CF of fuel. <p>If more than one type of fuel is used, data on each fuel shall be recorded separately.</p>	Maintain on a continuous basis	EU07	40 CFR 70.6(a)(9) & ENV-A 901.03 Federally Enforceable
8	<p>The Permittee shall record the following information:</p> <ul style="list-style-type: none"> a.) The dates and times when the engine is run, including the total number of hours run during each 24-hour calendar day period (daily); b.) The quantity of fuel used daily (in MMCF per day); c.) The time of day each reading was taken; d.) The fuel type; e.) The running total of a) and b) for the previous thirty-day period; f.) The calculated MMBtu/CF of fuel; and g.) The sulfur content as percent by weight of fuel. <p>If more than one type of fuel is used, data on each fuel shall be recorded separately.</p>	Maintain on a continuous basis	EU08	ENV-A 901.03 Federally Enforceable
9.	<p>The Permittee shall record and maintain the following information:</p> <ul style="list-style-type: none"> a.) The dates and times when each boiler is run, including the total number of hours run during each 24-hour calendar day period (daily); b.) The quantity of fuel used daily in MMCF per day or gallons per day; c.) The time of day each reading was taken; d.) The fuel type; e.) The running total of a) and b) for the previous thirty-day period; and f.) The calculated MMBtu/CF or MMBTU/gallon of fuel. <p>If more than one type of fuel is used, data on each fuel shall be recorded separately.</p>	Maintain on a continuous basis	EU09, EU10, EU11, EU12 & EU13	ENV-A 901.03 Federally Enforceable

Table 7 – Applicable Recordkeeping Requirements

Item #	Applicable Recordkeeping Requirement	Records Retention Requirement	Applicable Emission Unit	Regulatory Cite.
10.	The Permittee shall maintain, in a permanently bound logbook, the following: a.) The date(s) on which: 1. The efficiency test was conducted; and 2. The combustion process was last adjusted; b.) The name(s), title and affiliation of the person(s) who: 1. Conducted the efficiency test; and 2. Made the adjustments; c.) The NOx emission rate corrected to 15% oxygen, in parts per million (ppm) after the adjustments are made; d.) The CO emission rate corrected to 15% oxygen, in ppm after the adjustments are made; and e.) The opacity reading.	Maintain on a continuous basis	EU09, EU11 & EU12	ENV-A1211.03 Federally Enforceable
11.	Monthly and 12 consecutive month rolling totals of fuel utilization and hours of operation for each emission unit shall be kept at the facility and contain the following information: a.) Consumption; b.) Fuel type; c.) Sulfur content as percent sulfur by weight of fuel; d.) Btu content per gallon or cubic feet of fuel; and e.) Hours of operation of each emission unit.	Monthly & consecutive 12 month rolling totals	EU13, EU17, EU21, EU23, EU24, EU25 & EU26	Env-A 901.03 Federally Enforceable
12.	The Permittee shall maintain records of low-VOC coating test results as specified in Table 6, Item 17 of this permit, in pounds per gallon.	Maintain at facility at all times	Facility Wide	40 CFR 70.6(a)(3) and Env-A 901.06(e) Federally Enforceable
13.	Monthly and annual records shall be kept regarding process operations including the following information for each process/device: a.) Monthly hours of operation; b.) Quantity of raw materials used per month; c.) Monthly records of process weights; d.) Distribution of the process discharges if the process discharges air pollutants through more than one discharge point.	Monthly & consecutive 12 month rolling period	Facility Wide	Env-A 901.04 Federally Enforceable
14.	Annual records of actual emissions for each significant and insignificant activity for determination of emission based fees.	Maintain at facility at all times	Significant and insignificant activities	Env-A 901.04 Federally Enforceable

Table 7 – Applicable Recordkeeping Requirements

Item #	Applicable Recordkeeping Requirement	Records Retention Requirement	Applicable Emission Unit	Regulatory Cite.
15.	<p>The Permittee shall record and maintain the following information in a permanently bound logbook:</p> <ul style="list-style-type: none"> a.) The operating temperature of the boiler; b.) The time of day each reading was taken; and c.) Summary of maintenance, calibration, and repair records of the temperature-monitoring device installed on EU12. 	Maintain on a continuous basis	EU12	Env-A 901.06 State-only Enforceable
16.	<p>NO_x Recordkeeping Requirements:</p> <p>For fuel burning devices, including boilers, and internal combustion engines, the following information shall be recorded and maintained:</p> <ul style="list-style-type: none"> a.) Facility information, including: b.) Source name: <ul style="list-style-type: none"> 1. Source identification; 2. Physical address; 3. Mailing address; and 4. A copy of the certificate of accuracy required to be maintained pursuant to Env-A 901.08. c.) Identification of each fuel burning device; d.) Operating schedule information for each fuel burning device identified in b), above, including: e.) Days per calendar week during the normal operating schedule; <ul style="list-style-type: none"> 1. Hours per day during the normal operating schedule and for a typical ozone season day, if different from the normal operating schedule; and 2. Hours per year during the normal operating schedule; f.) Type, and amount of fuel burned, for each fuel burning device, during normal operating conditions and for a typical ozone season day, if different from normal operating conditions, on an hourly basis in million Btu's per hour and; g.) The following NO_x emission data, including records of total annual emissions, in tons per year, facility wide emissions in tons per month, and typical ozone season day emissions, in pounds per day; h.) Theoretical potential emissions for the calculation year for each fuel burning device; <ul style="list-style-type: none"> 1. Actual NO_x emissions for each fuel-burning device; and 2. The actual facility wide NO_x emissions per month and on a rolling 12-month basis; and 3. The actual NO_x emissions per month and on a rolling 12-month basis for EU01 through EU09 and EU11 through EU12. 	On a continuous basis	Facility Wide	Env-A 901.08 Federally Enforceable

Table 7 – Applicable Recordkeeping Requirements

Item #	Applicable Recordkeeping Requirement	Records Retention Requirement	Applicable Emission Unit	Regulatory Cite.
17.	<p>VOC Recordkeeping Requirements:</p> <p>To satisfy the requirements of Env-A 901.06 the following information shall be recorded and maintained:</p> <ul style="list-style-type: none"> a.) Facility information, including: b.) Source name; <ul style="list-style-type: none"> 1. Source identification; 2. Physical address; 3. Mailing address; and c.) Identification of each VOC emitting device or process; d.) The following production, raw material usages and VOC emissions data for each VOC emitting device/process identified in b) above: e.) Days of operation per calendar week during the normal operating schedule; <ul style="list-style-type: none"> 1. Hours of operation per day during normal operating conditions; 2. Hours of operation per year under normal operating conditions; f.) The following VOC emissions data for each VOC-emitting process/device identified in b) above: <ul style="list-style-type: none"> 1. Annual theoretical potential emissions, using the VOC content for the calculation year, in tons per year and during a typical day during the high ozone season of each year, in pounds per day; 2. Applicable emission factors, if used to calculate emissions; 3. Process information, including throughput data, shall be recorded for each process/device. 	On a continuous basis	Facility Wide	Env-A 901.06 Federally Enforceable

Table 7 – Applicable Recordkeeping Requirements

Item #	Applicable Recordkeeping Requirement	Records Retention Requirement	Applicable Emission Unit	Regulatory Cite.
18.	<p>VOC Recordkeeping Requirements (cont.):</p> <p>To satisfy the requirements of Env-A 901.06(e) the following information shall be recorded and maintained for all surface coating operations in addition to the items listed in Item 17 above:</p> <ul style="list-style-type: none"> a.) Coating or dye formulation and analytical data as follows: <ul style="list-style-type: none"> 1. Supplier; 2. Name and color; 3. Type; 4. Identification number; 5. Density described in pounds/gallon (lb/gal); 6. Total volatiles content described as weight percent; 7. Water content described as weight percent; 8. Exempt solvent content described as weight percent; 9. VOC content described as weight percent; 10. Solids content described as volume percent; 11. Diluent name and identification number; 12. Diluent solvent density described as lb/gal; 13. Diluent VOC content described as weight percent; 14. Diluent exempt solvent content described as weight percent; 15. Volume of diluent VOC described as gallons; and 16. Diluent/solvent ratio described as gallon diluent solvent/gallon coating. b.) Solvent throughput data; including records of total annual and typical high ozone season day throughput, in gallons consumed, of each coating or dye formulation provided in compliance with a), above, for each coating/saturation line; c.) Process information for each coating/saturation line identified in Item 17.c) above, for both the normal operating schedule and for a typical high ozone season day, if different from the normal operating schedule, including: d.) Method of application; <ul style="list-style-type: none"> 1. Number of coats for coating operations; 2. Drying method; and 3. Substrate type and form. 	On a continuous basis	Facility Wide	Env-A 901.06(e) Federally Enforceable

F. Reporting Requirements:

The Permittee shall be subject to the reporting requirements identified in Table 8 below:

Table 8 – Applicable Reporting Requirements				
Item #	Reporting Requirements	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite
1.	Any report submitted to the DES and/or EPA shall include the certification of accuracy statement outlined in Section XXI.B of this Permit and shall be signed by the responsible official.	As specified in this Permit	Facility Wide	40 CFR 70.6(c)(1) Federally Enforceable
2.	<p>The Permittee shall submit a summary report of monitoring, testing, and Permit deviations every 6 months. All instances of deviations from Permit requirements must be clearly identified in such reports. A responsible official must certify all reports consistent with Section XXI.B. of this Permit. The report shall contain the following data:</p> <ul style="list-style-type: none"> a.) Maintenance and inspection results for stacks, and fuel burning devices; b.) Summary of results of visible emissions observations from fuel burning or process devices; c.) Summary of maintenance and repair records for pollution control equipment listed in Table 3. d.) Summary of maintenance, calibration, and repair records of the fuel oil metering devices; e.) Summary of maintenance, calibration, and repair records of the NG/LNG/LPG metering devices; f.) Summary of maintenance, calibration, and repair records of the hourly metering devices installed on EU01 through EU06, EU07, and EU08; g.) Summary of maintenance, calibration, and repair records of the temperature monitor installed on EU12; h.) Copies of the results for NO_x testing on EU01 through EU06, EU07, and EU08; i.) Summary of boiler efficiency testing and the adjustments to the combustion processes for EU09, EU11 and EU12; and j.) Permit deviations. 	Semi-annually by July 31 st and January 31 st of each calendar year.	Facility Wide	40 CFR 70.6(a)(3)(iii)(A) Federally Enforceable
3.	The Permittee shall submit a summary report of the fuel combusted in EU11 each six months to EPA. All reports shall be postmarked by the 30 th day following the end of the reporting period.	Semi-annually by July 31 st and January 31 st of each calendar year.	EU11	40 CFR 60.48(c) Federally Enforceable

Table 8 – Applicable Reporting Requirements				
Item #	Reporting Requirements	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite
4.	<p>The Permittee shall submit notices of non-compliance with the sulfur content of gaseous fuels and/or changes in the NG and/or LNG fuel supply to:</p> <p style="text-align: center;">New Hampshire DES Air Resources Division 6 Hazen Drive PO Box 95 Concord, NH 03302-0095 Attn: Compliance Bureau</p> <p>and:</p> <p style="text-align: center;">U.S. Environmental Protection Agency One Congress Street, Suite 1100 Boston, Massachusetts 02114 Attn: Rebecca Fishman, mail code SEA</p>	Within 14 days of any change in fuel supply or significant change in fuel quality	EU08	40 CFR 70.6(a)(3)(iii)(B) Federally Enforceable
5.	<p>NO_x Reporting Requirements:</p> <p>For fuel burning devices, including boilers, and engines, as well as miscellaneous sources, the owner or operator shall submit to the Director, annually (no later than April 15th of the following year), reports of the data required by Condition VIII.E, Table 7, Item 16, including total annual quantities of all NO_x emissions.</p>	Annually (no later than April 15 th of the following year)	Facility Wide	Env-A 901.09 Federally Enforceable
6.	<p>VOC Reporting Requirements:</p> <p>The owner or operator shall submit to the Director, annually (no later than April 15th of the following year), reports of the data required by Condition VIII.E, Table 7 Items 17 and 18, including total annual quantities of all VOC/HAP emissions.</p>	Annually (no later than April 15 th of the following year)	Facility Wide	Env-A 901.07 Federally Enforceable
7.	<p>Prompt reporting of deviations from Permit requirements including those attributed to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventative measures taken shall be conducted in accordance with Section XXVIII of this permit.</p>	Prompt reporting (within 24-hours of discovery of an occurrence)	Facility Wide	40 CFR 70.6(a)(3)(iii)(B) Federally Enforceable

Table 8 – Applicable Reporting Requirements				
Item #	Reporting Requirements	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite
8.	Annual reporting and payment of emission based fees for pollutants, including but not limited to SO ₂ , NO _x , CO, TSP, and VOC emissions, shall be conducted in accordance with Section XXIII of this Permit.	Annually – Reporting by April 15 th and payment by October 15 th	Facility Wide	Env-A 704.03 & Env-A 704.04 Federally Enforceable
9.	Annual report of the actual emissions speciated by individual New Hampshire RTAP including a breakdown of VOC emissions by compound.	Annually (no later than April 15 th of the following year)	Facility Wide	Env-A 907.01 ¹⁶ State-only Enforceable
10.	Annual compliance certification shall be submitted in accordance with Section XXI of this Permit.	Annually (no later than April 15 th of the following year)	Facility Wide	40 CFR 70.6(c)(1) Federally Enforceable

IX. Requirements Currently Not Applicable:

Requirements not currently applicable to the facility were not identified by the Permittee.

General Title V Operating Permit Conditions

X. Issuance of a Title V Operating Permit:

- A. This Permit is issued in accordance with the provisions of Env-A 609. In accordance with 40 CFR 70.6(a)(2), this Permit shall expire on the date specified on the cover page of this Permit, which shall not be later than the date five (5) years after issuance of this Permit. Permit expiration terminates the Permittee's right to operate the Permittee's emission units, control equipment or associated equipment covered by this permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.
- B. Pursuant to Env-A 609.02(b), this Permit shall be a state permit to operate as defined in RSA 125-C:11, III.

XI. Title V Operating Permit Renewal Procedures

Pursuant to Env-A 609.06(b), an application for renewal of this Permit shall be considered timely if it is submitted to the Director at least six months prior to the designated expiration date of this Permit.

¹⁶ The "New" Env-A 900 effective November 26, 1998, has not been adopted as part of the State Implementation Plan (SIP) and is considered State-only enforceable until such time as the SIP is amended and approved by EPA.

XII. Application Shield

Pursuant to Env-A 609.07, if an applicant submits a timely and complete application for the issuance or renewal of a Permit, the failure to have a Permit shall not be considered a violation of this part until the Director takes final action on the application.

XIII. Permit Shield

- A. Pursuant to Env-A 609.08(a), a permit shield shall provide that:
1. For any applicable requirement or any state requirement found in the New Hampshire Rules Governing the Control of Air Pollution specifically included in this Permit, compliance with the conditions of this Permit shall be deemed compliance with said applicable requirement or said state requirement as of the date of permit issuance; and
 2. The Permittee need not comply with any applicable requirement or state requirement found in the New Hampshire Rules Governing the Control of Air Pollution and specifically identified in Section IX of this Title V Operating Permit as not applicable to the stationary source or area source.
- B. The permit shield identified in Section XIII.A. of this Permit shall apply only to those conditions incorporated into this Permit in accordance with the provisions of Env-A 609.08(b). It shall not apply to certain conditions as specified in Env-A 609.08(c) that may be incorporated into this Permit following permit issuance by DES.
- C. If a Title V Operating Permit and amendments thereto issued by the DES does not expressly include or exclude an applicable requirement or a state requirement found in the New Hampshire Rules Governing the Control of Air Pollution, that applicable requirement or state requirement shall not be covered by the permit shield and the Permittee shall comply with the provisions of said requirement to the extent that it applies to the Permittee.
- D. If the DES determines that this Title V Operating Permit was issued based upon inaccurate or incomplete information provided by the applicant or Permittee, any permit shield provisions in said Title V Operating Permit shall be void as to the portions of said Title V Operating Permit which are affected, directly or indirectly, by the inaccurate or incomplete information.
- E. Pursuant to Env-A 609.08(f), nothing contained in Section XIII of this Permit shall alter or affect the ability of the DES to reopen this Permit for cause in accordance with Env-A 609.18 or to exercise its summary abatement authority.
- F. Pursuant to Env-A 609.08(g), nothing contained in this section or in any title V operating permit issued by the DES shall alter or affect the following:
1. The ability of the DES to order abatement requiring immediate compliance with applicable requirements upon finding that there is an imminent and substantial endangerment to public health, welfare, or the environment;
 2. The state of New Hampshire's ability to bring an enforcement action pursuant to RSA 125-C:15,II;

3. The provisions of section 303 of the CAA regarding emergency orders including the authority of the EPA Administrator under that section;
4. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
5. The applicable requirements of the acid rain program, consistent with section 408(a) of the CAA;
6. The ability of the DES or the EPA Administrator to obtain information about a stationary source, area source, or device from the owner or operator pursuant to section 114 of the CAA; or
7. The ability of the DES or the EPA Administrator to enter, inspect, and/or monitor a stationary source, area source, or device.

XIV. Reopening for Cause

The Director shall reopen and revise a Title V Operating Permit for cause if any of the circumstances contained in Env-A 609.18(a) exist. In all proceedings to reopen and reissue a Title V Operating Permit, the Director shall follow the provisions specified in Env-A 609.18(b) through (g).

XV. Administrative Permit Amendments

- A. Pursuant to Env-A 612.01, the Permittee may implement the changes addressed in the request for an administrative permit amendment as defined in Env-A 100 immediately upon submittal of the request.
- B. Pursuant to Env-A 612.01, the Director shall take final action on a request for an administrative permit amendment in accordance with the provisions of Env-A 612.01(b) and (c).

XVI. Operational Flexibility

- A. Pursuant to Env-A 612.02, the Permittee subject to and operating under this Title V Operating Permit may make changes involving trading of emissions, off-permit changes, and section 502(b)(10) changes at the permitted stationary source or area source without filing a Title V Operating Permit application for and obtaining an amended Title V Operating Permit, provided that all of the following conditions are met, as well as conditions specified in Section XVI. B through E of this permit, as applicable. At this point, DES has not included any permit terms authorizing emissions trading in this permit.
 1. The change is not a modification under any provision of Title I of the CAA;
 2. The change does not cause emissions to exceed the emissions allowable under the Title V operating permit, whether expressed therein as a rate of emissions or in terms of total emissions;
 3. The owner or operator has obtained any temporary permit required by Env-A 600;
 4. The owner or operator has provided written notification to the director and administrator of the proposed change and such written notification includes:
 - a. The date on which each proposed change will occur;

- b. A description of each such change;
 - c. Any change in emissions that will result;
 - d. A request that the operational flexibility procedures be used; and
 - e. The signature of the responsible official, consistent with Env-A 605.04(b);
- 5. The change does not exceed any emissions limitations established under any of the following:
 - a. The New Hampshire Code of Administrative Rules, Env-A 100-3800;
 - b. The CAA; or
 - c. This Title V Operating Permit; and
 - d. The Permittee, DES, and EPA have attached each written notice required above to their copy of this Title V Operating Permit.
- B. For changes involving the trading of emissions, the Permittee must also meet the following conditions:
 - 1. The Title V Operating Permit issued to the stationary source or area source already contains terms and conditions including all terms and conditions which determine compliance required under 40 CFR 70.6(a) and (c) and which allow for the trading of emissions increases and decreases at the permitted stationary source or area source solely for the purpose of complying with a federally-enforceable emissions cap that is established in the permit independent of otherwise applicable requirements;
 - 2. The owner or operator has included in the application for the Title V Operating Permit proposed replicable procedures and proposed permit terms which ensure that the emissions trades are quantifiable and federally enforceable for changes to the Title V Operating Permit which qualify under a federally- enforceable emissions cap that is established in the Title V Operating Permit independent of the otherwise applicable requirements;
 - 3. The Director has not included in the emissions trading provision any devices for which emissions are not quantifiable or for which there are no replicable procedures to enforce emissions trades; and
 - 4. The written notification required above is made at least 7 days prior to the proposed change and includes a statement as to how any change in emissions will comply with the terms and conditions of the Title V Operating Permit.
- C. For off-permit changes, the Permittee must also meet the following conditions:
 - 1. Each off-permit change meets all applicable requirements and does not violate any existing permit term or condition;
 - 2. The written notification required above is made contemporaneously with each off-permit change, except for changes that qualify as insignificant under the provisions of Env-A 609.03;
 - 3. The change is not subject to any requirements under Title IV of the CAA and the change is not a Title I modification;

4. The Permittee keeps a record describing the changes made at the source which result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this Permit, and the emissions resulting from those changes; and
 5. The written notification required above includes a list of the pollutants emitted and any applicable requirement that would apply as a result of the change.
- D. For section 502(b)(10) changes, the Permittee must also meet the following conditions:
1. The written notification required above is made at least 7 days prior to the proposed change; and
 2. The written notification required above includes any permit term or condition that is no longer applicable as a result of the change.
- E. Pursuant to Env-A 612.02(f), the off-permit change and section 502(b)(10) change shall not qualify for the permit shield under Env-A 609.08.

XVII. Minor Permit Amendments

- A. Prior to implementing a minor permit modification, the Permittee shall submit a written request to the Director in accordance with the requirements of Env-A 612.04(b).
- B. The Director shall take final action on the minor permit amendment request in accordance with the provisions of Env-A 612.04(c) through (g).
- C. Pursuant to Env-A 612.04(g), the permit shield specified in Env-A 609.08 shall not apply to minor permit amendments under Section XVII. of this Permit.
- D. Pursuant to Env-A 612.04(i), the Permittee shall be subject to the provisions of Env-A 614 and Env-A 615 if the change is made prior to the filing with the Director of a request for a minor permit amendment.

XVIII. Significant Permit Amendments

- A. Pursuant to Env-A 612.05, a change at the facility shall qualify as a significant permit amendment if it meets the criteria specified in Env-A 612.05(a)(1) through (7).
- B. Prior to implementing the significant permit amendment, the Permittee shall submit a written request to the Director, which includes all the information as referenced in Env-A 612.05(b) and (c) and shall be issued an amended Title V Operating Permit from the DES. The Permittee shall be subject to the provisions of Env-A 614 and Env-A 615 if a request for a significant permit amendment is not filed with the Director and/or the change is made prior to the issuance of an amended Title V Operating Permit.
- C. The Director shall take final action on the significant permit amendment in accordance with the Procedures specified in Env-A 612.05(d), (e) and (f).

XIX. Title V Operating Permit Suspension, Revocation or Nullification

- A. Pursuant to RSA 125-C:13, the Director may suspend or revoke any final permit issued hereunder if, following a hearing, the Director determines that:

1. The Permittee has committed a violation of any applicable statute or state requirement found in the New Hampshire Rules Governing the Control of Air Pollution, order or permit condition in force and applicable to it; or
 2. The emissions from any device to which this Permit applies, alone or in conjunction with other sources of the same pollutants, presents an immediate danger to the public health.
- B. The Director shall nullify any Permit if, following a hearing in accordance with RSA 541-A:30, II, a finding is made that the Permit was issued in whole or in part based upon any information proven to be intentionally false or misleading.

XX. Inspection and Entry

Pursuant to Env-A 614.01, EPA and DES personnel shall be granted access to the facility covered by this Permit, in accordance with RSA 125-C:6,VII for the purposes of: inspecting the proposed or permitted site; investigating a complaint; and assuring compliance with any applicable requirement or state requirement found in the New Hampshire Rules Governing the Control of Air Pollution and/or conditions of any Permit issued pursuant to Chapter Env-A 600.

XXI. Certifications

A. Compliance Certification Report

In accordance with 40 CFR 70.6(c) the Responsible Official shall certify for the previous calendar year that the facility is in compliance with the requirements of this permit. The report shall be submitted annually, no later than April 15th of the following year. The report shall be submitted to the DES and to the U.S. Environmental Protection Agency – Region I. The report shall be submitted in compliance with the submission requirements below.

In accordance with 40 CFR 70.6(c)(5), the report shall describe:

1. The terms and conditions of the Permit that are the basis of the certification;
2. The current compliance status of the source with respect to the terms and conditions of this Permit, and whether compliance was continuous or intermittent during the reporting period;
3. The methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
4. Any additional information required by the DES to determine the compliance status of the source.

B. Certification of Accuracy Statement

All documents submitted to the DES shall contain a certification by the responsible official of truth, accuracy, and completeness. Such certification shall be in accordance with the requirements of 40 CFR 70.5(d) and contain the following language:

"I am authorized to make this submission on behalf of the facility for which the submission is made. Based on information and belief formed after reasonable inquiry, I certify that the statements and

information in the enclosed documents are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

All reports submitted to DES (except those submitted as emission based fees as outlined in Section XXIII of this Permit) shall be submitted to the following address:

New Hampshire Department of Environmental Services
Air Resources Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095
ATTN: Section Supervisor, Compliance Bureau

All reports submitted to EPA shall be submitted to the following address:

Office of Environmental Stewardship
Director Air Compliance Program
United States Environmental Protection Agency
1 Congress Street
Suite 1100 (SEA)
Boston, MA 02114-2023
ATTN: Air Compliance Clerk

XXII. Enforcement

Any noncompliance with a permit condition constitutes a violation of RSA 125-C:15, and, as to the conditions in this permit which are federally enforceable, a violation of the Clean Air Act, 42 U.S.C. Section 7401 et seq., and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the DES and/or EPA. Noncompliance may also be grounds for assessment of administrative, civil or criminal penalties in accordance with RSA 125-C:15 and/or the Clean Air Act. This Permit does not relieve the Permittee from the obligation to comply with any other provisions of RSA 125-C, the New Hampshire Rules Governing the Control of Air Pollution, or the Clean Air Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable Federal, State, or Local rules and regulations, not addressed in this Permit.

In accordance with 40 CFR 70.6 (a)(6)(ii), a Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

XXIII. Emission-Based Fee Requirements

- A. The Permittee shall pay an emission-based fee annually for this facility as calculated each calendar year pursuant to Env-A 704.03.
- B. The Permittee shall determine the total actual annual emissions from the facility to be included in the emission-based multiplier specified in Env-A 704.03(a) for each calendar year in accordance with the methods specified in Env-A 620.

- C. The Permittee shall calculate the annual emission-based fee for each calendar year in

$$FEE = E * DPT * CPI_m * ISF$$

accordance with the procedures specified in Env-A 704.03 and the following equation:

Where:

FEE = The annual emission-based fee for each calendar year as specified in Env-A 704.
E = The calculation of total annual emissions as specified in Env-A 704.02 and the provisions specified in Env-A 704.03(a).
DPT = The dollar per ton fee the DES has specified in Env-A 704.03(b).
CPI_m = The Consumer Price Index Multiplier as calculated in Env-A 704.03(c).
ISF = The Inventory Stabilization Factor as specified in Env-A 704.03(d).

- D. The Permittee shall contact the DES each calendar year for the value of the Inventory Stabilization Factor.
- E. The Permittee shall contact the DES each calendar year for the value of the Consumer Price Index Multiplier.
- F. The Permittee shall submit, to the DES, payment of the emission-based fee and a summary of the calculations referenced in Sections XXIII.B. and C of this Permit for each calendar year by October 15th of the following calendar year in accordance with Env-A 704.04. The emission-based fee and summary of the calculations shall be submitted to the following address:

New Hampshire Department of Environmental Services
Air Resources Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095
ATTN.: Emissions Inventory

- G. The DES shall notify the Permittee of any under payments or over payments of the annual emission-based fee in accordance with Env-A 704.05.

XXIV. Duty To Provide Information

In accordance with 40 CFR 70.6 (a)(6)(v), upon the DES's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall furnish to the DES copies of records that the Permittee is required to retain by this Permit. The Permittee may make a claim of confidentiality as to any information submitted pursuant to this condition in accordance with Env-A 103 at the time such information is submitted to DES. DES shall evaluate such requests in accordance with the provisions of Env-A 103.

XXV. Property Rights

Pursuant to 40 CFR 70.6 (a)(6)(iv), this Permit does not convey any property rights of any sort, or any exclusive privilege.

XXVI. Severability Clause

Pursuant to 40 CFR 70.6 (a)(5), the provisions of this Permit are severable, and if any provision of this Permit, or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances, and the remainder of this Permit, shall not be affected thereby.

XXVII. Emergency Conditions

Pursuant to 40 CFR 70.6 (g), the Permittee shall be shielded from enforcement action brought for noncompliance with technology based¹⁷ emission limitations specified in this Permit as a result of an emergency¹⁸. In order to use emergency as an affirmative defense to an action brought for noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- A. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- B. The permitted facility was at the time being properly operated;
- C. During the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this Permit; and
- D. The Permittee submitted notice of the emergency to the DES within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

XXVIII. Permit Deviation

In accordance with 40 CFR 70.6(a)(3)(iii)(B), the Permittee shall report to the DES all instances of deviations from Permit requirements, by telephone, fax, or e-mail (pdeviations@des.state.nh.us) within 24 hours of discovery of such deviation. This report shall include the deviation itself, including those attributable to upset conditions as defined in this Permit, the probable cause of such deviations, and any corrective actions or preventative measures taken.

Within 15 days of discovery of the permit deviation, the Permittee shall submit a written report including the above information as well as the following: preventive measures taken to prevent future occurrences; date and time the permitted device returned to normal operation; specific device,

¹⁷Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

¹⁸An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

process or air pollution control equipment that contributed to the permit deviation; type and quantity of excess emissions emitted to the atmosphere due to permit deviation; and an explanation of the calculation or estimation used to quantify excess emissions.

Said Permit deviation shall also be submitted in writing to the DES in the semi-annual summary report of monitoring and testing requirements due July 31st and January 31st of each calendar year. Deviations are instances where any Permit condition is violated and has not already been reported as an emergency pursuant to Section XXVII. of this Permit.

Reporting a Permit deviation is not an affirmative defense for action brought for noncompliance.